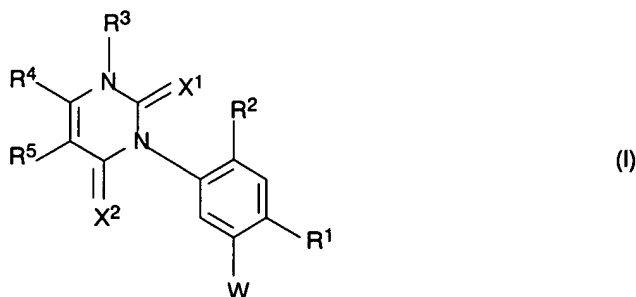


A P P E N D I X II:

THE CHANGES TO THE CLAIMS:

Claims 1 and 2 have been amended as follows:

1. (twice amended) A 3-phenyluracil compound of formula I



where

X¹ and X² are each oxygen or sulfur;

W is $-C(R^8)=C(R^9)-CN$, $-C(R^8)=C(R^9)-CO-R^{10}$ or $[\text{---} C(R^8)=C(R^9)-CH_2-CO-R^{10} \text{---}]$
 $-CH(R^8)-CH(R^9)-CO-R^{10}$; ~~$-C(R^8)=C(R^9)-C(R^{11})=C(R^{12})-CO-R^{10}$ or $-C(R^8)=C(R^9)-CH_2-CH(R^{13})-CO-R^{10}$~~

where

R⁸ is hydrogen ~~[, cyano, C₁-C₆-alkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl, C₁-C₆-haloalkyl, C₃-C₇-cycloalkyl, C₁-C₆-alkoxy-C₁-C₆-alkyl or C₁-C₆-alkoxycarbonyl]~~;

R⁹ ~~[and R¹² are each hydrogen, cyano,]~~ is halogen or ~~[, C₁-C₆-alkyl, C₁-C₆-alkoxy, halo-C₁-C₆-alkyl, C₁-C₆-alkylcarbonyl or C₁-C₆-alkoxycarbonyl]~~;

R¹⁰ is ~~[hydrogen,]~~ O-R¹⁷ ~~[, S-R¹⁷, C₁-C₆-alkyl which may furthermore carry one or two C₁-C₆-alkoxy substituents,]~~ or

~~[C₃-C₆-alkenyl, C₃-C₆-alkynyl, C₁-C₆-haloalkyl, C₃-C₇-cycloalkyl, C₁-C₆-alkylthio-C₁-C₆-alkyl, C₁-C₆-alkyliminoxy,]~~ -N(R¹⁵)R¹⁶; ~~[or]~~

~~[phenyl which is unsubstituted or carries from one to three of the following substituents: cyano, nitro, halogen, C₁-C₆-alkyl, C₂-C₆-alkenyl, C₁-C₆-haloalkyl, C₁-C₆-alkoxy and C₁-C₆-alkoxycarbonyl,]~~

R¹⁵ and R¹⁶ are each hydrogen, C₁-C₆-alkyl, C₃-C₆-alkenyl, C₃-C₆-alkynyl, C₃-C₆-cycloalkyl, C₁-C₆-haloalkyl, C₁-C₆-alkoxy-C₁-C₆-alkyl, C₁-C₆-alkylcarbonyl, C₁-C₆-alkoxycarbonyl, C₁-C₆-alkoxycarbonyl-C₁-C₆-alkyl or C₁-C₆-alkoxycarbonyl-C₂-C₆-alkenyl, where the alkenyl chain is unsubsti-

tuted or carries from one to three of the following radicals: halogen and cyano, or phenyl which is unsubstituted or carries from one to three of the following substituents: cyano, nitro, halogen, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₃-C₆-alkenyl, C₁-C₆-alkoxy and C₁-C₆-alkoxycarbonyl, or

R¹⁵ and R¹⁶ together with the common nitrogen atom form a saturated or unsaturated 4-membered to 7-membered heterocyclic ~~[structure]~~ ring consisting of the nitrogen atom to which R¹⁵ and R¹⁶ are bonded and from 3 to 6 carbon ring members, or consisting of the nitrogen atom to which R¹⁵ and R¹⁶ are bonded and from 2 to 5 carbon ring members and [where] one ring member ~~[is optionally replaced by]~~ selected from the group of -O-, -S-, -N=, -NH- [or] and -N(C₁-C₆-alkyl)-;

R¹⁷ is hydrogen, C₁-C₆-alkyl, C₃-C₆-alkenyl, C₃-C₆-alkynyl, C₃-C₇-cycloalkyl, C₁-C₆-haloalkyl, C₃-C₆-haloalkenyl, cyano-C₁-C₆-alkyl, C₁-C₆-alkoxy-C₁-C₆-alkyl, C₁-C₆-alkylthio-C₁-C₆-alkyl, C₁-C₆-alkyloximino-C₁-C₆-alkyl, C₁-C₆-alkylcarbonyl, C₁-C₆-alkoxycarbonyl, C₁-C₆-alkylcarbonyl-C₁-C₆-alkyl, C₁-C₆-alkoxycarbonyl-C₁-C₆-alkyl, phenyl or phenyl-C₁-C₆-alkyl, where each of the phenyl radicals is unsubstituted or carries from one to three of the following substituents: cyano, nitro, halogen, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₃-C₆-alkenyl, C₁-C₆-alkoxy and C₁-C₆-alkoxycarbonyl;

~~[R¹¹ is hydrogen, cyano, halogen, C₁-C₆-alkyl, C₃-C₆-alkenyl, C₃-C₆-alkynyl, C₁-C₆-alkoxy-C₁-C₆-alkyl, C₁-C₆-alkylcarbonyl, C₁-C₆-alkoxycarbonyl,]~~

~~[-NR¹⁸R¹⁹, where R¹⁸ and R¹⁹ have the same meanings as R¹⁵ and R¹⁶, or]~~

~~[phenyl which is unsubstituted or carries from one to three of the following substituents: cyano, nitro, halogen, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₃-C₆-alkenyl, C₁-C₆-alkoxy and C₁-C₆-alkoxycarbonyl,]~~

~~[R¹³ is hydrogen, cyano, C₁-C₆-alkyl or C₁-C₆-alkoxycarbonyl, or]~~

~~[R⁹ and R¹⁰ together form a two membered to five membered carbon chain in which one carbon atom may be replaced with oxygen, sulfur or unsubstituted or C₁-C₆-alkyl substituted nitrogen,]~~

R¹ is halogen, cyano, nitro or trifluoromethyl;

R² is hydrogen or halogen;

R³ is hydrogen, [nitro,] C₁-C₆-alkyl or [~~C₃-C₆-alkenyl, C₃-C₆-alkynyl, C₃-C₆-cycloalkyl, C₃-C₆-cycloalkylcarbonyl, cyano-C₁-C₆-alkyl,~~ C₁-C₆-haloalkyl; [~~C₁-C₆-alkoxy-C₁-C₆-alkyl, formyl, C₁-C₆-alkenyl, C₁-C₆-alkoxycarbonyl, C₁-C₆-haloalkylcarbonyl, C₁-C₆-alkylcarbonyl-C₁-C₆-alkyl, C₁-C₆-alkoxycarbonyl-C₁-C₆-alkyl,~~]
[a group N(R²⁰)R²¹, where R²⁰ and R²¹ have one of the meanings of R¹⁵ and R¹⁶,]

[phenyl or phenyl-C₁-C₆-alkyl, where each phenyl ring is unsubstituted or carries from one to three of the following radicals: cyano, nitro, halogen, C₁-C₆-alkyl, C₂-C₆-alkenyl, C₁-C₆-haloalkyl, C₁-C₆-alkoxy and C₁-C₆-alkoxycarbonyl,]

R⁴ is [hydrogen, cyano, nitro, halogen,] C₁-C₆-alkyl or [~~C₂-C₆-alkenyl, C₂-C₆-alkynyl, C₃-C₆-cycloalkyl,~~ C₁-C₆-haloalkyl; [~~C₁-C₆-hydroxyalkyl, cyano-C₁-C₆-alkyl, C₁-C₆-alkoxy, C₁-C₆-alkylthio, C₁-C₆-alkoxy-C₁-C₆-alkyl, C₁-C₆-alkylthio-C₁-C₆-alkyl~~ or]

[phenyl which is unsubstituted or carries from one to three of the following radicals: cyano, nitro, halogen, C₁-C₆-alkyl, C₂-C₆-alkenyl, C₁-C₆-haloalkyl, C₁-C₆-alkoxy and C₁-C₆-alkoxycarbonyl,]

R⁵ is hydrogen, [cyano, nitro,] halogen[₇] or C₁-C₆-alkyl; [~~C₂-C₆-alkenyl, C₂-C₆-alkynyl, C₃-C₆-cycloalkyl, C₁-C₆-haloalkyl, C₁-C₆-hydroxyalkyl, cyano-C₁-C₆-alkyl, C₁-C₆-alkoxy-C₁-C₆-alkyl, C₁-C₆-alkylthio-C₁-C₆-alkyl, formyl, C₁-C₆-alkylcarbonyl, C₁-C₆-haloalkylcarbonyl, C₁-C₆-alkoxycarbonyl, C₁-C₆-alkoxycarbonyl-C₂-C₆-alkenyl,~~]

[N(R²²)R²³, where R²² and R²³ have one of the meanings of R¹⁵ and R¹⁶, or]

[phenyl which is unsubstituted or carries from one to three of the following radicals: cyano, nitro, halogen, C₁-C₆-alkyl, C₂-C₆-alkenyl, C₁-C₆-haloalkyl, C₁-C₆-alkoxy and C₁-C₆-alkoxycarbonyl, or]

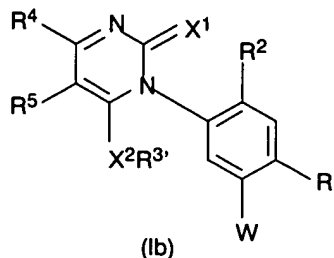
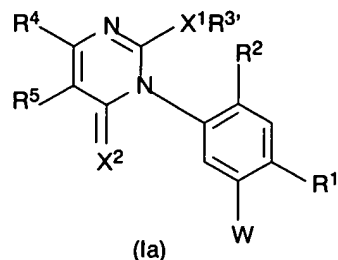
[R⁴ and R⁵ together form a saturated or unsaturated 3 membered or 4 membered carbon chain which optionally contains from one to three of the following hetero atoms: 1 or 2 oxygen atoms, 1 or 2 sulfur atoms and from 1 to 3 nitrogen atoms, and the chain is unsubstituted or carries from one to three of the following radicals: cyano, nitro, amino, halogen, C₁-C₆-alkyl, C₂-C₆-alkenyl, C₁-C₆-alkoxy, C₁-C₆-alkylthio and C₁-C₆-alkoxycarbonyl,]

with the proviso that R⁴ is not trifluoromethyl when R⁵ is hydrogen and W is -CH=CH-CO-R¹⁰ where R¹⁰ is C₁-C₆-alkoxy or C₃-C₇-cycloalkoxy; [₇and]

~~[with the proviso that R⁹ is halogen when R⁴ and R⁵ are simultaneously hydrogen and W is CH(R⁸)CH(R⁹)CO-R¹⁰,]~~

or a salt or an enol form of the compound of formula I in which R³ is hydrogen.

2. (twice amended) An enol ether of the phenyluracil compound of formula I defined in claim 1, which enol ether is of ~~[represented by]~~ formula Ia or formula Ib



wherein R^{3'} is C₁-C₆-alkyl, C₃-C₆-alkenyl or C₃-C₆-alkynyl, and X¹, X², R¹, R², R⁴, R⁵ and W are as defined in claim 1.

with the proviso that R⁴ is not trifluoromethyl when R⁵ is hydrogen and W is -CH=CH-CO-R¹⁰ where R¹⁰ is C₁-C₆-alkoxy or C₃-C₆-cycloalkoxy.

Claim 12 has been amended as follows:

12. (amended) A ~~[herbicidal]~~ composition comprising an inert liquid or solid carrier and an effective amount of at least one 3-phenyluracil of formula I defined in claim 1, or the salt or the enol form of the compound of formula I in which R³ is hydrogen, wherein the amount is adapted to be effective for a purpose selected from the group consisting of controlling undesirable plant growth, desiccating plants, defoliating plants, and controlling pests.

Claim 14 has been canceled. Claim 16 has been amended as follows:

16. (twice amended) The method of claim 15, wherein the plants are cotton [is defoliated] plants.

Claim 17 has been canceled. Claims 20 to 25 have been canceled. Claim 27 has been amended as follows:

27. (amended) The enol ether defined in claim 2, wherein [R³] R^{3'} is C₁-C₆-alkyl.

Claims 31 to 35 have been canceled. Claim 36 has been amended as follows:

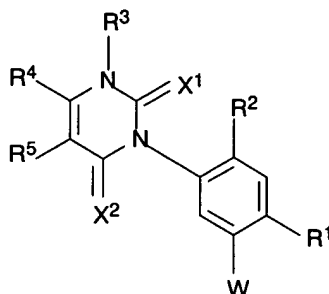
36. (amended) A [herbicidal] composition comprising an inert liquid or solid carrier and an effective amount of at least one enol ether of formula Ia or Ib defined in claim 2, wherein the amount is adapted to be effective for a purpose selected from the group consisting of controlling undesirable plant growth, desiccating plants, defoliating plants, and controlling pests.

Claim 38 has been canceled. Claim 40 has been amended as follows:

40. (amended) The method of claim 39, wherein the plants are cotton [is-defoliated] plants.

Claim 41 has been canceled. Claim 43 has been amended as follows:

43. (amended) A 3-phenyluracil compound of formula I



(I)

where

X¹ and X² are each oxygen or sulfur;

W is -C(R⁸)=C(R⁹)-CN, -C(R⁸)=C(R⁹)-CO-R¹⁰[₇] or
~~-CH(R⁸)-CH(R⁹)-CO-R¹⁰[₇];~~ [~~-C(R⁸)=C(R⁹)-CH₂-CO-R¹⁰,~~
~~-C(R⁸)=C(R⁹)-C(R¹¹)-C(R¹²)-CO-R¹⁰ or -C(R⁸)=C(R⁹)-CH₂-CH(R¹³)-CO-R¹⁰~~
 where] wherein

R⁸ is hydrogen[~~, cyano, C₁-C₆-alkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl, C₁-C₆-haloalkyl, C₃-C₇-cycloalkyl, C₁-C₆-alkoxy-C₁-C₆-alkyl or C₁-C₆-alkoxycarbonyl~~];

R⁹ [and R¹² are each hydrogen, cyano,] is halogen[₇] or C₁-C₆-alkyl[~~, C₁-C₆-alkoxy, halo-C₁-C₆-alkyl, C₁-C₆-alkylcarbonyl or C₁-C₆-alkoxycarbonyl~~];

R¹⁰ is [hydrogen,] O-R¹⁷[~~, S-R¹⁷, C₁-C₆-alkyl which may furthermore carry one or two C₁-C₆-alkoxy substituents,] or
~~[C₃-C₆-alkenyl, C₃-C₆-alkynyl, C₁-C₆-haloalkyl, C₃-C₇-cycloalkyl,~~~~

~~C₁-C₆-alkylthio-C₁-C₆-alkyl, C₁-C₆-alkyliminoxy,]~~ -N(R¹⁵)R¹⁶; [or]

~~[phenyl which is unsubstituted or carries from one to three of the following substituents: cyano, nitro, halogen, C₁-C₆-alkyl, C₂-C₆-alkenyl, C₁-C₆-haloalkyl, C₁-C₆-alkoxy and C₁-C₆-alkoxycarbonyl,]~~

R¹⁵ and R¹⁶ are each hydrogen, C₁-C₆-alkyl, C₃-C₆-alkenyl, C₃-C₆-alkynyl, C₃-C₆-cycloalkyl, C₁-C₆-haloalkyl, C₁-C₆-alkoxy-C₁-C₆-alkyl, C₁-C₆-alkylcarbonyl, C₁-C₆-alkoxycarbonyl, C₁-C₆-alkoxycarbonyl-C₁-C₆-alkyl or C₁-C₆-alkoxycarbonyl-C₂-C₆-alkenyl, where the alkenyl chain is unsubstituted or carries from one to three of the following radicals: halogen and cyano, or phenyl which is unsubstituted or carries from one to three of the following substituents: cyano, nitro, halogen, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₃-C₆-alkenyl, C₁-C₆-alkoxy and C₁-C₆-alkoxycarbonyl, or

R¹⁵ and R¹⁶ together with the common nitrogen atom form a saturated or unsaturated 4-membered to 7-membered heterocyclic ~~[structure]~~ ring consisting of the nitrogen atom to which R¹⁵ and R¹⁶ are bonded and from 3 to 6 carbon ring members, or consisting of the nitrogen atom to which R¹⁵ and R¹⁶ are bonded and from 2 to 5 carbon ring members and [where] one ring member [is optionally replaced by] selected from the group of -O-, -S-, -N=, -NH- [or] and -N(C₁-C₆-alkyl)-;

R¹⁷ is hydrogen, C₁-C₆-alkyl, C₃-C₆-alkenyl, C₃-C₆-alkynyl, C₃-C₇-cycloalkyl, C₁-C₆-haloalkyl, C₃-C₆-haloalkenyl, cyano-C₁-C₆-alkyl, C₁-C₆-alkoxy-C₁-C₆-alkyl, C₁-C₆-alkylthio-C₁-C₆-alkyl, C₁-C₆-alkyloximino-C₁-C₆-alkyl, C₁-C₆-alkylcarbonyl, C₁-C₆-alkoxycarbonyl, C₁-C₆-alkylcarbonyl-C₁-C₆-alkyl, C₁-C₆-alkoxycarbonyl-C₁-C₆-alkyl,

phenyl or phenyl-C₁-C₆-alkyl, where each of the phenyl radicals is unsubstituted or carries from one to three of the following substituents: cyano, nitro, halogen, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₃-C₆-alkenyl, C₁-C₆-alkoxy and C₁-C₆-alkoxycarbonyl;

~~[R¹¹ is hydrogen, cyano, halogen, C₁-C₆-alkyl, C₃-C₆-alkenyl, C₃-C₆-alkynyl, C₁-C₆-alkoxy-C₁-C₆-alkyl, C₁-C₆-alkylcarbonyl, C₁-C₆-alkoxycarbonyl,]~~

~~[-NR¹⁸R¹⁹, where R¹⁸ and R¹⁹ have the same meanings as R¹⁵ and~~

~~R¹⁶, or]~~

~~[phenyl which is unsubstituted or carries from one to three of the following substituents: cyano, nitro, halogen, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₃-C₆-alkenyl, C₁-C₆-alkoxy and C₁-C₆-alkoxycarbonyl,]~~

~~[R¹³ is hydrogen, cyano, C₁-C₆-alkyl or C₁-C₆-alkoxycarbonyl, or]~~

~~[R⁹ and R¹⁰ together form a two membered to five membered carbon chain in which one carbon atom may be replaced with oxygen, sulfur or unsubstituted or C₁-C₆-alkyl-substituted nitrogen,]~~

R¹ is halogen, cyano, nitro or trifluoromethyl;

R² is hydrogen or halogen;

R³ is hydrogen, ~~[nitro,]~~ C₁-C₆-alkyl or ~~[, C₃-C₆-alkenyl, C₃-C₆-alkynyl, C₃-C₆-cycloalkyl, C₃-C₆-cycloalkylcarbonyl, cyano-C₁-C₆-alkyl,]~~ C₁-C₆-haloalkyl~~[, C₁-C₆-alkoxy C₁-C₆-alkyl, formyl, C₁-C₆-alkanoyl, C₁-C₆-alkoxycarbonyl, C₁-C₆-haloalkylcarbonyl, C₁-C₆-alkylcarbonyl-C₁-C₆-alkyl, C₁-C₆-alkoxycarbonyl-C₁-C₆-alkyl];~~

~~[a group N(R²⁰)R²¹, where R²⁰ and R²¹ have one of the meanings of R¹⁵ and R¹⁶,]~~

~~[phenyl or phenyl-C₁-C₆-alkyl, where each phenyl ring is unsubstituted or carries from one to three of the following radicals: cyano, nitro, halogen, C₁-C₆-alkyl, C₂-C₆-alkenyl, C₁-C₆-haloalkyl, C₁-C₆-alkoxy and C₁-C₆-alkoxycarbonyl,]~~

R⁴ is ~~[hydrogen, cyano, nitro, halogen,]~~ C₁-C₆-alkyl or ~~[, C₂-C₆-alkenyl, C₂-C₆-alkynyl, C₃-C₆-cycloalkyl,]~~ C₁-C₆-haloalkyl; ~~[, C₁-C₆-hydroxyalkyl, cyano-C₁-C₆-alkyl, C₁-C₆-alkoxy, C₁-C₆-alkylthio, C₁-C₆-alkoxy C₁-C₆-alkyl, C₁-C₆-alkylthio-C₁-C₆-alkyl or]~~

~~[phenyl which is unsubstituted or carries from one to three of the following radicals: cyano, nitro, halogen, C₁-C₆-alkyl, C₂-C₆-alkenyl, C₁-C₆-haloalkyl, C₁-C₆-alkoxy and C₁-C₆-alkoxycarbonyl,]~~

R⁵ is hydrogen, ~~[cyano, nitro,]~~ halogen~~[,]~~ or C₁-C₆-alkyl; ~~[, C₂-C₆-alkenyl, C₂-C₆-alkynyl, C₃-C₆-cycloalkyl, C₁-C₆-haloalkyl, C₁-C₆-hydroxyalkyl, cyano-C₁-C₆-alkyl, C₁-C₆-alkoxy C₁-C₆-alkyl, C₁-C₆-alkylthio-C₁-C₆-alkyl, formyl, C₁-C₆-alkylcarbonyl, C₁-C₆-haloalkylcarbonyl, C₁-C₆-alkoxycarbonyl, C₁-C₆-alkoxycarbonyl-C₂-C₆-alkenyl,]~~

~~[N(R²²)R²³, where R²² and R²³ have one of the meanings of R¹⁵ and R¹⁶, or]~~

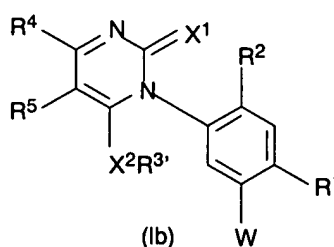
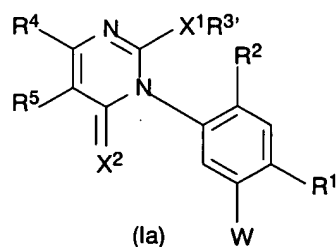
~~[phenyl which is unsubstituted or carries from one to three of the following radicals: cyano, nitro, halogen, C₁-C₆-alkyl, C₂-C₆-alkenyl, C₁-C₆-haloalkyl, C₁-C₆-alkoxy and C₁-C₆-alkoxycarbonyl, or]~~

~~[R⁴ and R⁵ together form a saturated or unsaturated 3 membered or 4 membered carbon chain which optionally contains from one to three of the following hetero atoms: 1 or 2 oxygen atoms, 1 or 2 sulfur atoms and from 1 to 3 nitrogen atoms, and the chain is unsubstituted or carries from one to three of the following radicals: cyano, nitro, amino, halogen, C₁-C₆ alkyl, C₂-C₆ alkenyl, C₁-C₆ alkoxy, C₁-C₆ alkylthio and C₁-C₆ alkoxy-carbonyl,]~~

with the proviso that R⁴ is not trifluoromethyl when R⁵ is hydrogen and W is -CH=CH-CO-R¹⁰ where R¹⁰ is C₁-C₆-alkoxy or C₃-C₇-cycloalkoxy; [, and]

~~[with the proviso that R⁹ is halogen when R⁴ and R⁵ are simultaneously hydrogen and W is CH(R⁸) CH(R⁹) CO R¹⁰,]~~

or a salt of the compound of formula I in which R³ is hydrogen, or an enol form of the compound of formula I, which enol form is represented by formula Ia or Ib



in which [R³] R³' is hydrogen, C₁-C₆-alkyl, C₃-C₆-alkenyl or C₃-C₆-alkynyl.

New Claims 44 to 52 have been added.